

APPENDIX I

NATIONAL HISTORIC ENGINEERING LANDMARK

Nomination Form

To: National Engineering Heritage Panel,
Institution of Engineers, Australia,
11 National Circuit,
Barton, A.C.T. 2600.

Date: JANUARY, 1987

From: AGRICULTURAL

ENGINEERING

COMMITTEE

(name of Division or
Committee)

This is to nominate the following Work for designation as a National Historic Engineering Landmark:

(Name of Proposed Landmark) SMITHS STUMP-JUMP PLOUGH

Located at NATIONAL TRUST MUSEUM

ARDROSSAN

State SOUTH AUSTRALIA

Please furnish

the address (and map grid reference if a fixed Work)

The Work is owned by NATIONAL TRUST OF SOUTH AUSTRALIA

In support of this nomination the following information is provided:

1. Date of construction (or other significant date):

FIRST PUBLICALLY DEMONSTRATED 1876

2. Name of key professional personnel associated with the Landmark:

RICHARD BOWYER SMITH

CLARENCE SMITH

3. National engineering historic significance of the Landmark:

STUMP-JUMP PLOUGH MECHANISMS BECAME UNIVERSAL IN USE ON
TILLAGE EQUIPMENT WORLDWIDE

4. Comparable or similar Works (a) In Australia. (b) Overseas.

NONE

5. Unique features or characteristics which set this proposed Landmark apart from other engineering Works, including those in 4 above:

TILLAGE EQUIPMENT

6. Contribution which this Work has made towards the development of:
(1) the engineering profession and/or (2) the nation:

ASSISTED IN INITIAL OPENING UP OF VIRGIN LAND AND USED UNIVERSALLY ON ROUGH GROUND OR IN PRIMARY TILLAGE WORK FOR AGRICULTURE.

7. In further support of this nomination the following documentation is submitted: (please list all enclosed documents, photographs, and supporting historical evidence).


LETTERS FROM NATIONAL TRUST OF SOUTH AUSTRALIA.

8. For completion by Committee or body (other than a Division)
making the Submission. A copy of this Submission has been forwarded
to the Secretary of the _____ Division at _____

We have discussed this nomination with the owner of the Work. The owner has indicated that PERMISSION GIVEN TO LOCATE MARKER ON THE MUSEUM AT ARDROSSAN
(include statement regarding owner's attitude).

✓ (ATTACHED)

If this nomination is approved for designation as a National Historic Engineering Landmark by the Institution of Engineers, Australia, we understand that the Division or Committee will be expected to take a major responsibility in the development of a suitable presentation event at which the national plaque would be publicly presented.


Chairman of Nominating Body
for Nat. Comm. on Agr. Eng'g.

Secretary of Nominating Body

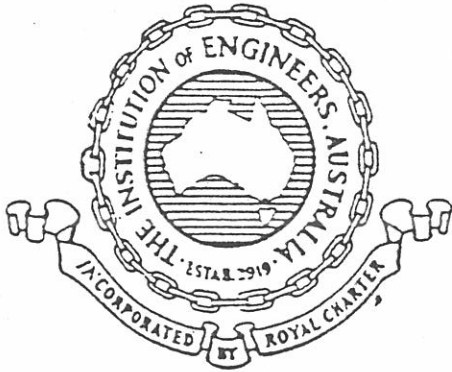
This form may be reproduced either by electrostatic copying or by retyping. If possible, please submit eight (8) copies of all materials relating to the nomination. If more space is required to provide full response to any of the above, please attach additional pages.

NOTE: With enclosed additional documentation please also include 200 x 250 mm black and white photos which depict the work and can be used for publicity purposes. Also requested are 35 mm colour slides which can be used for a slide presentation.

FINAL TEXT VERSION

Nov 27 1986

(Slightly reduced number of words).



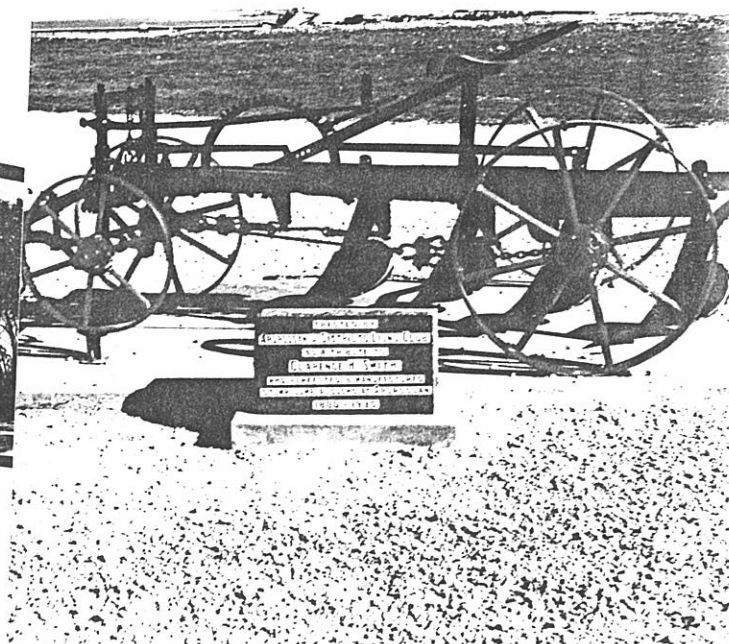
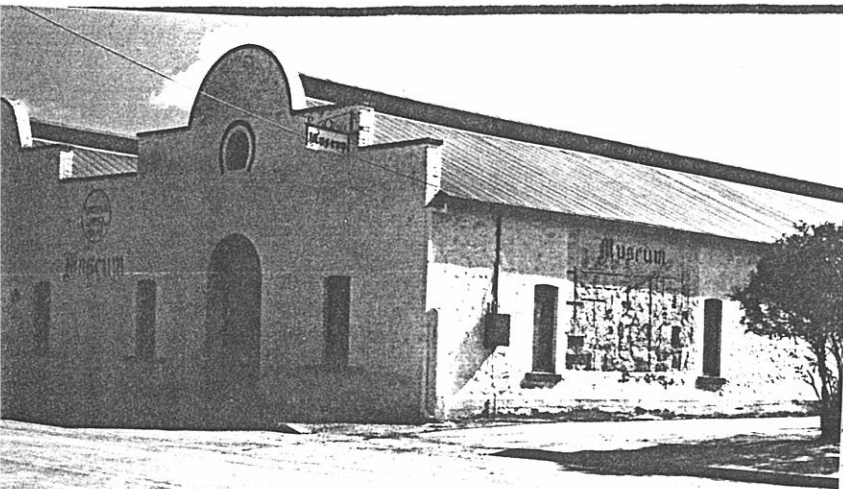
HISTORIC ENGINEERING MARKER

SMITHS STUMP-JUMP PLOUGH

RICHARD BOWYER SMITH (1837 - 1919) OF KALKABURY, S.A., IS POPULARLY CREDITED WITH THE FIRST STUMP-JUMP PLOUGH DESIGN. IN AUGUST 1876 RICHARD AND HIS BROTHER CLARENCE PUBLICALLY DEMONSTRATED THEIR VIXEN THREE FURROW GRAVITY-RESTORED PLOUGH WHICH COULD COPE WITH OBSTACLES WHERE SET-PLOUGHS WOULD FAIL. CLARENCE H. SMITH MANUFACTURED STUMP-JUMP PLOUGHS AT ARDROSSAN FROM 1880 - 1935.

STUMP-JUMPING BECAME AN ESTABLISHED PRINCIPLE ON AUSTRALIAN TILLAGE EQUIPMENT WHICH CONTINUES IN MORE SOPHISTICATED FORMS TODAY.

DEDICATED BY
THE INSTITUTION OF ENGINEERS, AUSTRALIA, 1985.



THE NATIONAL TRUST OF SOUTH AUSTRALIA



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BTH:CQ

9 December 1986

Director of Agricultural Engineering
Agricultural Engineering Centre
New South Wales Government
Roy Watts Road
Glenfield NSW 2167

Attention Dr Graeme R Quick

Dear Dr Quick

Thank you for your letter of 2 December 1986.

I confirm that the National Trust is agreeable to the wording for the plaque to be as notified in the attachment to your letter and also to the placement of the marker on the outside of the former Smith Bros factory Power House at Ardrossan.

We look forward to hearing your intended date for fixing the plaque so that we can arrange a suitable ceremony.

Yours sincerely

B T Hodson
Director

cc Secretary, Central Yorke Peninsula Branch (National Trust)